



1) Adjust sensor 2) Mounting plate 3) Status indicator 4) Operating voltage/ Mode 5) Ultrasonic transducer axis

- Ultrasonic sensor
- R06K1
- Synchronizable



**General attributes**

Adjuster  
Approvals / Conformity  
Area of application  
Enclosure Type per IEC 60529  
Indicator

Input function  
Polarity reversal protected  
Series  
Setting

**Electrical attributes**

Analog output  
Connection type  
Current draw max.  
Eff. operating voltage U<sub>e</sub> DC  
Load res. R<sub>L</sub> max. (analog I)  
Mode  
Operating voltage U<sub>B</sub> max. DC [V]  
Operating voltage U<sub>B</sub> min. DC [V]  
Output characteristic  
Response time max.  
Ripple  
Synchronization

Key (1x)  
CE  
Distance measurement  
IP67  
Object in range - LED YE  
Mode - LED GN flash  
Power - LED GN  
Synchronization signal  
yes  
R06K1  
Key disable on/off  
Factory setting (reset)  
Output curve rise/fall  
Characteristic curve window

Analog I  
Connector  
35 mA  
24.0 V  
500 Ohm  
Analog measurement (Characteri  
30 V DC  
20 V DC  
Linear rising/falling  
30 ms  
±10 %  
ext., any number of sensors

Ultrasonic frequency  
Value range analog

500 kHz  
4...20 mA

**Mechanical attributes**

Connector type  
Housing material  
Mounting type  
Operating temperature max.  
Operating temperature min.  
Range max. [mm]  
Range min.  
Range S<sub>n</sub>  
Repeat accuracy  
Resolution  
Sensing face material  
Storage temperature max.  
Storage temperature min.  
Style  
Surface protection  
Temperature compensation  
Temperature drift typ.

M8x1-S75  
ABS  
Screw M3  
+70 °C  
-25 °C  
350 mm  
50 mm  
240 mm  
±0.15 %  
0.037 mm  
PU foam, epoxy resin, glass  
85 °C  
-40 °C  
Block, 90° connection  
Nickel-plated  
yes  
< 2 %

**Additional text**

For additional information, refer to user's guide.  
Order accessories separately.  
Do not press key using a pointed tool.  
Reference object for S<sub>n</sub>: tube ø10mm. Max. range refers to the oriented plate.  
The sensor is functional again after the overload has been eliminated.

